

Title (en)

INDUCTIVE HEATING DEVICE HAVING A VOLTAGE CONVERTER

Title (de)

INDUKTIVE HEIZVORRICHTUNG MIT SPANNUNGSWANDLER

Title (fr)

DISPOSITIF DE CHAUFFAGE PAR INDUCTION DOTÉ D'UN CONVERTISSEUR DE TENSION

Publication

EP 4307948 A2 20240124 (EN)

Application

EP 22717077 A 20220318

Priority

- EP 21163767 A 20210319
- EP 2022057189 W 20220318

Abstract (en)

[origin: WO2022195090A2] An inductive heating device (1) for heating an aerosol-generating substrate using a susceptor, the inductive heating device comprising: a DC power supply (4) for providing a DC supply voltage; a heater module (204) comprising: an inductor (8) arranged to inductively couple to the susceptor; a DC/AC voltage converter comprising or connected to the inductor and configured to convert a heater module input voltage to an AC voltage for driving the inductor; the inductive heating device further comprising a DC/DC voltage converter (206) configured to convert the DC supply voltage to the heater module input voltage.

IPC 8 full level

A24F 40/50 (2020.01); **A24F 40/20** (2020.01); **A24F 40/465** (2020.01); **H05B 6/06** (2006.01); **H05B 6/10** (2006.01)

CPC (source: EP KR US)

A24F 40/465 (2020.01 - KR US); **A24F 40/50** (2020.01 - EP KR); **H02M 3/156** (2013.01 - KR); **H02M 7/42** (2013.01 - KR); **H05B 1/0202** (2013.01 - KR US); **H05B 6/06** (2013.01 - EP KR US); **H05B 6/105** (2013.01 - KR); **H05B 6/108** (2013.01 - EP US); **A24F 40/20** (2020.01 - EP); **A24F 40/465** (2020.01 - EP)

Citation (search report)

See references of WO 2022195090A2

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

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DOCDB simple family (publication)

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EP 2022057189 W 20220318; CN 202280020526 A 20220318; EP 22717077 A 20220318; JP 2023555744 A 20220318; KR 20237035026 A 20220318; US 202218550817 A 20220318